

## APPENDIX

(1) **Sales Information.**—National Ocean Service (NOS) publications, nautical charts and unclassified National Imagery and Mapping Agency (NIMA) nautical charts are sold by NOS and its authorized sales agents in many U.S. ports and in some foreign ports through the National Aeronautical Charting Office. Mail orders should be addressed to:

- (2) National Aeronautical Charting Office, AVN-530
- (3) Federal Aviation Administration
- (4) 6501 Lafayette Avenue
- (5) Riverdale, MD 20737-1199.

(6) Mail orders must be accompanied by a check or money order (payable in U.S. funds) payable to FAA. Remittance from outside the United States should be made either by an International Money Order or by a check payable on a U.S. bank. Chart catalogs, which include a listing of authorized sales agents, are free upon request. Telephone orders may be placed by calling 301-436-8301 or toll-free 1-800-638-8972 (Visa or Mastercard accepted); or by FAX, 301-436-6829 or by Email: [Distribution@noaa.gov](mailto:Distribution@noaa.gov). NOS maintains an over-the-counter sales office at the FAA, Riverdale, MD (see address above). Visa, Mastercard, checks, cash, and money orders are accepted. Sales information is located on the internet website address, <http://acc.nos.noaa.gov>.

(7) **National Ocean Service Offices**

(8) Washington, DC (Headquarters): Assistant Administrator, National Ocean Service, NOAA, Herbert C. Hoover Bldg., 14th Street and Constitution Avenue, NW, Room 5805, Washington, DC 20230-0001.

(9) **Silver Spring:** Chief, Office of Coast Survey (N/CS), National Ocean Service, NOAA, 1315 East-West Highway, Silver Spring, MD 20910-3282.

(10) **Norfolk:** Director, Atlantic Marine Center, NOS, National Oceanic and Atmospheric Administration, 439 West York Street, Norfolk, VA 23510-1114.

(11) **Seattle:** Director, Pacific Marine Center, NOS, National Oceanic and Atmospheric Administration, 1801 Fairview Avenue East, Seattle, WA 98102-3767.

(12) **Charts and Publications-National Ocean Service**

(13) **Nautical Charts** (See Chart Catalogs)

(14) United States Coastal and Intracoastal waters, and possessions.

(15) Great Lakes, Lake Champlain, New York State Canals, and the St. Lawrence River-St. Regis to Cornwall, Canada.

(16) **Publications** (See the publication **Dates of Latest Editions** for latest editions and prices)

(17) **Coast Pilot**

(18) U.S. Coast Pilot 1, Atlantic Coast, Eastport to Cape Cod.

(19) U.S. Coast Pilot 2, Atlantic Coast, Cape Cod to Sandy Hook.

(20) U.S. Coast Pilot 3, Atlantic Coast, Sandy Hook to Cape Henry.

(21) U.S. Coast Pilot 4, Atlantic Coast, Cape Henry to Key West.

(22) U.S. Coast Pilot 5, Atlantic Coast-Gulf of Mexico, Puerto Rico, and Virgin Islands.

(23) U.S. Coast Pilot 6, Great Lakes, Lakes Ontario, Erie, Huron, Michigan, and Superior, and St. Lawrence River.

(24) U.S. Coast Pilot 7, Pacific Coast, California, Oregon, Washington, and Hawaii.

(25) U.S. Coast Pilot 8, Pacific Coast Alaska, Dixon Entrance to Cape Spencer.

(26) U.S. Coast Pilot 9, Pacific and Arctic Coasts, Alaska-Cape Spencer to Beaufort Sea.

(27) **Distance Tables**

(28) Distances Between United States Ports.

(29) **Water Levels**

(30) Great Lakes Water Levels, (year): Daily and Monthly Average Water Surface Elevations, published annually.

(31) Great Lakes Water Levels: Monthly and Annual Average Water Surface Elevations, 1860-1975, published every 5 years.

(32) Hydrograph of Lake Levels, a hydrograph of monthly mean levels of the Great Lakes from 1860 to date and of Lake St. Clair from 1898 to date.

(33) **Charts and Publications—Other U.S. Government Agencies**

(34) A partial list of publications and charts considered of navigational value is included for the ready reference of the mariner. In addition to the agents located in the principal seaports handling publication sales, certain libraries have been designated by the Congress of the United States to receive the publications as issued for public review.

(35) **Government Printing Office.**—Publications of the U.S. Government Printing Office may be ordered from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-9325. Orders may be charged to Visa or Mastercard by calling (202) 783-1800 during normal business hours.

(36) **National Imagery and Mapping Agency Procurement Information.**—Unclassified publications produced by the National Imagery and Mapping Agency (NIMA) are available from the U.S. Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-1954. Orders can be placed on the U.S. Government Online Bookstore (<http://bookstore.gpo.gov>), by phone (202-512-1800) or by FAX (202-512-2250). Classified NIMA publications and charts are available to authorized users from National Imagery and Mapping Agency from the Defense Supply Center Richmond (Attn: JNAA), 8000 Jefferson Davis Highway, Richmond, VA 232975336. Defense Supply Center Richmond, Customer Assistance Office may be contacted at 1-800-826-0342.

(37) **Nautical Charts**

(38) U.S. Waters:

(39) Apalachicola, Chattahoochee and Flint Rivers Navigation Charts, Alabama River Charts, and Black Warrior-Tombigbee Rivers River Charts: Published and for sale by U.S. Army Engineer District Mobile, P.O. Box 2288, 109 St. Joseph Street, Mobile, Ala. 36628.

(40) Flood Control and Navigation Maps of the Mississippi River, Cairo, Ill. to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, P.O. Box 60, U.S. Post Office and Courthouse, Vicksburg, Miss. 39180.

(41) Upper Mississippi River Navigation Charts (Mississippi River Cairo, Ill. to Minneapolis, Minn.): Published by U.S. Army Engineer North Central Division and for sale by U.S. Army Engi-

neer District St. Louis, 210 N. Tucker Boulevard, St. Louis, Mo. 63101.

(42) **Charts of the Illinois Waterway**, from Mississippi River at Grafton, Ill. to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., Rock Island, Ill. 61201.

(43) **Foreign Waters**: Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above.)

(44) **Marine Weather Services Charts**: Published by the National Weather Service; for sale by NOS Distribution Division (see Sales Information above.)

(45) **Publications**

(46) **Notices to Mariners**:

(47) The Local Notice to Mariners is available without charge upon application to the appropriate Coast Guard District Commander (see address further on). The National Imagery and Mapping Agency Notice to Mariners is available without charge by operators of ocean-going vessels (see National Imagery and Mapping Agency Procurement Information above.)

(48) **Special Notice to Mariners** are published annually in National Imagery and Mapping Agency Notice to Mariners I. These notices contain important information of considerable interest to all mariners. Interested parties are advised to read these notices.

(49) **Light Lists (United States and Possessions)**: Published by U.S. Coast Guard; for sale by the Government Printing Office. (See Government Printing Office, early this appendix.)

(50) **List of Lights (Foreign Countries)**: Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above.)

(51) **Sailing Directions (Foreign Countries)**: Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above.)

(52) **Radio Navigational Aids**, Pub. 117: Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above.)

(53) **American Practical Navigator (Bowditch)** (Pub. 9): Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above.)

(54) **International Code of Signals** (Pub. 102): Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above.)

(55) The **Nautical Almanac**, the **Air Almanac**, and **Astronomical Almanac**: Published by U.S. Naval Observatory; for sale by Government Printing Office. (See Government Printing Office, above.)

(56) **Marine Product Dissemination Information**: maintained by National Weather Service on the internet, (<http://www.nws.noaa.gov/om/marine/home.htm>).

(57) **Navigation Rules**: Navigation Rules, International-Inland (COMDTINST M16672.2 series): Published by the U.S. Coast Guard; for sale by Government Printing Office. (See Government Printing Office, early this appendix.)

(58) **Federal Requirements for Recreational Boats**: Published by U.S. Coast Guard; available without charge by contacting the toll free Boating Safety Hotline (telephone, 800-368-5647).

(59) **Port Series of the United States**: Published and sold by Corps of Engineers, U.S. Army, Water Resources Support Cen-

ter, Port Facilities Branch, Casey Building, Fort Belvoir, VA 22060-5586.

(60) **Maritime Radio Users Handbook**: Published and sold by Radio Technical Commission for Maritime Services, 655 Fifteenth Street, N.W., Suite 300, Washington, DC 20005-5701.

(61) **U.S. Government Agencies**

(62) **U.S. Army Corps of Engineers (USACE) Offices**

(63) District office addresses and areas of jurisdiction covered by this Coast Pilot:

(64) **Buffalo District**: 1776 Niagara Street, Buffalo, NY 14207-3199. The U.S. waters and tributary waterways of St. Lawrence River from the New York State-Canadian boundary to the head of the river, Lake Ontario from St. Lawrence River to the mouth of Niagara River, Niagara River, and Lake Erie from the head of Niagara River to the Ohio-Michigan boundary.

(65) **Chicago District**: 111 North Canal Street, Chicago, IL. 60606-7206. The S end of Lake Michigan and its tributary waterways from and including Michigan City, Indiana, to the Illinois-Wisconsin boundary; including Calumet River lakeward of the East 130th Street bridge.

(66) **Detroit District**: Patrick V. McNamara Bldg., 477 Michigan Avenue, Detroit, Mich. 48226. Lakeshore areas and tributary waters of the States of Michigan, Wisconsin, and Minnesota.

(67) **New York District**: 26 Federal Plaza, New York, NY 10278-0090. Hudson River, Lake Champlain and its tributary waterways, and the Great Lakes-Hudson River Waterway Improvement.

(68) **Rock Island District**: Clock Tower Bldg., Rock Island, Ill. 61204-2004. Calumet River upstream of the East 130th Street bridge, Little Calumet River, Calumet Sag Channel, Lockport Lock and Dam, Des Plaines River below its confluence with the Chicago Sanitary and Ship Canal, and Illinois River from its head at Des Plaines River to the new La Grange Lock and Dam.

(69) **St. Louis District**: 210 North Tucker Boulevard, St. Louis, MO 63101-1986. Illinois River from the new La Grange Lock and Dam to its confluence with Mississippi River.

(70) **Environmental Protection Agency (EPA) Offices**.—Regional offices and States in the EPA coastal regions and Great Lakes:

(71) **Region I** (New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Vermont): J. F. Kennedy Federal Bldg., Boston, Mass. 02203.

(72) **Region II** (New Jersey, New York, Puerto Rico, Virgin Islands): 26 Federal Plaza, New York, N.Y. 10278.

(73) **Region III** (Delaware, Maryland, Virginia, District of Columbia, Pennsylvania): 841 Chestnut Street, Philadelphia, Pa. 19107.

(74) **Region V** (Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin): 230 South Dearborn Street, Chicago, Ill. 60604.

(75) **Coast Guard District Offices**

(76) Commander, First Coast Guard District, 408 Atlantic Avenue, Boston, MA 02210-3350. Maine; New Hampshire; Vermont; Massachusetts; Rhode Island; Connecticut; New York except that part north of latitude 42°N. and west of longitude 74°39'W.; that part of New Jersey north of 39°57'N. (about the mouth of Toms River), east of 74°27'W., and northeast of a line

from 39°57'N., 74°47'27"W., northwest to the New York, New Jersey and Pennsylvania boundaries at Tristate.

(77) Commander, Second Coast Guard District, 1222 Spruce Street, St. Louis, Missouri 63103-2382. Arkansas, West Virginia, Kentucky, Tennessee, Oklahoma, Kansas, Nebraska, North Dakota, South Dakota, Wyoming, Colorado, Iowa, and Missouri; that part of Pennsylvania S of 14°N., and W of 79°W.; those parts of Ohio and Indiana S of 41°N.; Illinois, except that part N of 41°N. and E of 90°W.; that part of Wisconsin S of 46°20'N., and W of 90°W.; that part of Minnesota S of 46°20'N.; that part of Alabama N of 34°N.; that part of Mississippi N of the S boundaries of the counties of Washington, Sunflower, Leflore, Grenada, Calhoun, Chickasaw, Lee, Prentiss, and Tishomingo Counties, except that portion of the Tennessee-Tombigbee Waterway S of the Bay Springs Lock and Dam.

(78) Commander, Ninth Coast Guard District, 1240 East 9th Street, Cleveland, Ohio 44199-2060. Michigan, New York N of 42°N. and W of 74°39'W.; Pennsylvania N of 41°N. and W of 78°55'W.; that part of Ohio and Indiana N of 41°N.; that part of Illinois N of 41°N. and E of 90°W.; Wisconsin, except that part S of 46°20'N. and W of 90°W.; and that part of Minnesota N of 46°20'N.

(79) **Note:** A Marine Safety Office combines the functions of the Captain of the Port and Marine Inspection Office.

(80) The symbol **(D)** preceding an office indicates that a Documentation Office is at the same address.

(81) **Coast Guard Marine Safety Offices**

(82) Buffalo, N.Y.: Federal Bldg., 111 W. Huron Street 14202-2395.

(83) Toledo, Ohio: Federal Bldg., 234 Summit Street 43604-1590.

(84) Cleveland, Ohio: 1055 East Ninth Street 44114-1092.

(85) Detroit, Mich.: Foot of Mount Elliot Avenue 48207-4380.

(86) Chicago, IL: 215 West 83rd Street, Suite D, 60521-7059.

(87) Milwaukee, WI: 2420 S. Lincoln Memorial Drive 53207-1997.

(88) Duluth, MN: Canal Park 55802-2352.

(89) Sault Ste. Marie, MI: c/o U.S. Coast Guard Group 49783-9501.

(90) **Coast Guard Marine Safety Detachment Offices**

(91) Sturgeon Bay, WI: 57 North 12th Avenue 54235-0446.

(92) Grand Haven, MI: 650 Harbor Avenue 49417-1752.

(93) Massena, NY: P.O. Box 728, 180 Andrews Street 13662-0728.

(94) **Coast Guard Documentation Offices**

(95) Cleveland, Ohio: 1240 East Ninth Street 44199-2060.

(96) **Coast Guard Stations.**—The stations listed are in the area covered by this Coast Pilot. They have search and rescue capabilities and may provide lookout, communications, and/or patrol functions to assist vessels in distress. The National VHF-FM Distress System provides continuous coastal radio coverage outwards to 20 miles on channel 16. After contact on channel 16, communications with the Coast Guard should be on channel 22. If channel 22 is not available to the mariner, communications may be made on channel 12. Selected stations guard the International Radiotelephone Distress, Safety and Calling Frequencies.

(97) **St. Lawrence River:**

(98) Alexandria Bay, N.Y. (44°19.9'N., 75°56.1'W.). On the S shore of Welliesley Island, 1,400 feet W of Light 195 on Cherry Island.

(99) **Lake Ontario:**

(100) Sackets Harbor, N.Y. (43°56.9'N., 76°07.3'W.). On the S side of the harbor, about 800 feet S of Navy Point Light. (Seasonal; no continuous radio guard.)

(101) Oswego, N.Y. (43°27.8'N., 76°31.0'W.). On S side of basin about 0.7 mile S of West Pierhead Light.

(102) Sodus Bay, N.Y., Sodus Point Station (43°16.4'N., 76°58.5'W.). On W side of harbor entrance. (Seasonal; no continuous radio guard.)

(103) Rochester, N.Y. (43°15.4'N., 77°36.2'W.). E side of entrance to harbor.

(104) Youngstown, N.Y., Niagara Station (43°15.7'N., 79°03.8'W.). E side of entrance to Niagara River.

(105) **Lake Erie:**

(106) Buffalo, N.Y., (42°52.6'N., 78°53.2'W.). On the S pier at the mouth of Buffalo River.

(107) Erie, Pa. (42°09.2'N., 80°04.7'W.). On the N side of the entrance channel, near Erie Harbor Inner Range Rear Light.

(108) Ashtabula, Ohio (41°54.1'N., 80°47.9'W.). On E side of river, about 700 feet N of the highway bridge.

(109) Fairport, Ohio (41°45.6'N., 81°16.9'W.). On W side of mouth of Grand River.

(110) Cleveland, Ohio (41°30.6'N., 81°41.6'W.). Near the W end of Burke Lakefront Airport on the S side of a small basin 1.1 miles E of East Breakwater Light.

(111) Lorain, Ohio (41°28.2'N., 82°10.7'W.). E side of mouth of Black River.

(112) Marblehead, Ohio (41°32.6'N., 82°43.8'W.). On Point Marblehead, 1.1 miles 297° from Marblehead Light.

(113) Toledo, Ohio (41°41.6'N., 83°28.4'W.). In Bay View Park, on NW side of the Maumee River near its mouth.

(114) **Detroit River:**

(115) Detroit, Mich., Belle Isle Station (42°20.4'N., 82°57.7'W.). At Belle Isle Light near the upper end of the island.

(116) **Lake St. Clair:**

(117) St. Clair Shores, Mich. (42°28.4'N., 82°52.8'W.). Near the end of Revere Avenue about 0.7 mile N of Miller Memorial Light.

(118) Selfridge Air National Guard Base, Mich., Detroit Air Station (42°36.5'N., 82°50.5'W.). W of Anchor Bay, about 3.5 miles WNW of Clinton River entrance.

(119) **St. Clair River:**

(120) St. Clair Flats, Mich. (42°33.1'N., 82°39.0'W.). On NW side of river at front light of St. Clair Flats Canal Range.

(121) Port Huron, Mich. (43°00.3'N., 82°25.3'W.). On W side of entrance to St. Clair River, near Fort Gratiot Light.

(122) **Lake Huron:**

(123) Harbor Beach, Mich. (43°51.3'N., 82°39.1'W.). N of Harbor Beach at Waterworks Park. (Seasonal; no continuous radio guard.)

(124) Saginaw River, MI (43°37.7'N., 83°50.3'W.). On E side of Saginaw River about 1.7 miles above the river entrance.

(125) Tawas, Mich. (44°15.5'N., 83°26.2'W.). On Tawas Point, about 0.7 mile NE of Tawas Light.

(126) St. Ignace, Mich. (45°51.3'N., 84°42.2'W.). Near Michigan Department of State Highways dock on E end of Graham Point.

(127) **Lake Michigan:**

(128) Charlevoix Mich. (45°19.0'N., 85°14.7'W.). N side of Pine River entrance to Lake Charlevoix.



(129) Traverse City, Mich., Air Station (44°44.7'N., 85°34.9'W.). At SE corporate limits of the city, about 2.5 miles SE of Duncan L. Clinch Yacht Harbor.

(130) Frankfort, Mich. (44°37.8'N., 86°14.6'W.). N side of entrance to harbor.

(131) Manistee, Mich. (44°15.0'N., 86°20.4'W.). N side of entrance to Manistee Harbor. (Seasonal station.)

(132) Ludington, Mich. (43°57.2'N., 86°27.6'W.). N side of entrance to harbor.

(133) Muskegon, Mich. (43°13.7'N., 86°20.3'W.). S side of entrance to harbor. (Seasonal station.)

(134) Grand Haven, Mich. (43°03.6'N., 86°14.8'W.). N side of the mouth of the Grand River.

(135) Holland, Mich. (42°46.5'N., 86°12.1'W.). N side of harbor entrance. (Seasonal station.)

(136) South Haven, Mich. (42°24.1'N., 86°17.0'W.). S side of entrance to Black River. (Seasonal, weekends only; no continuous radio guard.)

(137) St. Joseph, Mich. (42°06.8'N., 86°29.1'W.). N side of harbor entrance.

(138) Michigan City, Ind. (41°43.4'N., 86°56.4'W.). E side of entrance to harbor.

(139) Calumet Harbor, Ill. (41°43.0'N., 87°31.6'W.). Lakefront in the S part of Calumet Park, about 1.1 miles S of Calumet River entrance.

(140) Glenview, Ill., Chicago Air Station (42°05.2'N., 87°49.7'W.). About 7.5 miles W of Wilmette Harbor, Ill.

(141) Wilmette, Ill. (42°04.6'N., 87°41.0'W.). N side of harbor entrance.

(142) Kenosha, Wis. (42°35.4'N., 87°49.0'W.). On E side of the inner basin.

(143) Milwaukee, Wis., Coast Guard Station, Group Office, and Base (43°00.1'N., 87°53.2'W.). At S end of outer harbor, about 0.8 mile SW of South Entrance Light.

(144) Sheboygan, Wis. (43°45.0'N., 87°42.3'W.). Near inner end of old N pier stub.

(145) Two Rivers, Wis. (44°08.8'N., 87°33.7'W.). NE side of entrance to harbor.

(146) Sturgeon Bay, Wis. (44°47.7'N., 87°18.7'W.). At E entrance, on N side.

(147) Plum Island, Wis. (45°18.8'N., 86°57.0'W.). On N side of Plum Island. (Seasonal station.)

(148) Green Bay, Wis. (44°32.2'N., 88°00.2'W.). On the E side of the mouth of the Fox River. (Seasonal station.)

(149) **St. Marys River:**

(150) Sault Ste. Marie, Mich., Coast Guard Station, Group Office, and Base (46°30.0'N., 84°20.3'W.). At Sault Ste. Marie, Mich., about 0.5 mile below the locks.

(151) **Lake Superior:**

(152) Grand Marais, Mich. (46°40.6'N., 85°58.4'W.). On the W side of harbor entrance channel. (Seasonal, weekends only; no continuous radio guard.)

(153) Munising, Mich. (46°24.9'N., 86°39.7'W.). In the town of Munising at the Munising Range Front Light. (Seasonal, weekends only; no continuous radio guard.)

(154) Marquette, Mich. (46°32.7'N., 87°22.7'W.). Near inner end of breakwater, about 1,000 feet SW of Marquette Light.

(155) Keweenaw Waterway, Mich., Portage Hancock Station (47°07.5'N., 88°34.7'W.). On E bank of canal about 0.2 mile W of the lift bridge at Hancock.

(156) Bayfield, Wis. (46°48.5'N., 90°48.8'W.). On S side of city, about 1,000 feet SW of Bayfield Harbor South Breakwater Light.

(157) Duluth, Minn. (46°46.3'N., 92°05.4'W.). On Minnesota Point, about 0.5 mile S from Duluth Ship Canal.

(158) Grand Marais, Minn., North Superior Station (47°44.8'N., 90°20.0'W.). At SE side of harbor, about 1,300 feet ENE of Grand Marais Light. (Seasonal station.)

(159) **Lake Champlain:**

(160) Burlington, Vt. (44°28.8'N., 73°13.5'W.). 1,650 feet E of Burlington Harbor North Breakwater Light, on Battery Park.

(161) **Coast Guard Radio Broadcasts.**—Urgent, safety, and scheduled marine information broadcasts are made by Coast Guard radio stations. In general, these broadcasts provide information vital to vessels operating in the approaches and coastal waters of the United States including the Great Lakes, Puerto Rico and U.S. Virgin Islands. Types of broadcasts are as follows:

(162) **Scheduled broadcasts.**—U.S. Coast Guard radio stations make scheduled broadcasts on a prepublished schedule of intervals of 12 hours. After the preliminary announcements on VHF-FM channel 16 the station advises shifting to working frequency: VHF-FM channel 22.

(163) **Safety broadcasts.**—U.S. Coast Guard stations which make scheduled broadcasts issue safety broadcasts upon receipt and on the next scheduled broadcast. Safety broadcasts are preceded by the safety signal SECURITY. After the preliminary signal on VHF-FM channel 16, the station may announce shifting to working frequency: VHF-FM channel 22.

(164) **Urgent broadcasts.**—U.S. Coast Guard stations which make scheduled broadcasts issue urgent broadcasts upon receipt and on schedule until canceled. Urgent broadcasts are preceded by the urgent signal, PAN. Both the urgent signal and message may be transmitted on VHF-FM channel 16.

(165) **Times of broadcasts.**—The following Coast Guard radio stations make scheduled broadcasts at the times indicated; the control station is given, followed by the area of coverage, followed by remote antenna sites.

(166) **NMD-47**, Buffalo Group, Buffalo (Lakes Erie and Ontario); Oswego, Rochester, Thirtymile Point, Dunkirk, Alexandria Bay, Ashtabula. Every 6 hours beginning at 0225 G.m.t.

(167) **NMD-25**, Detroit Group, Detroit (Lakes Erie, St. Clair, Huron; Detroit and St. Clair Rivers); Cleveland, Port Huron, Bell Isle, Port Austin, Toledo, Alpena, Marblehead. Every 12 hours beginning at 0135 G.m.t.

(168) **NMD-32**, Grand Haven Group, Grand Haven (Lake Michigan); Holland, Frankfort, Ludington. Every 6 hours beginning at 0235 G.m.t.

(169) **NMP-9**, Milwaukee Group, Milwaukee (Lake Michigan); Sturgeon Bay, Two Rivers, Chicago, Milwaukee. Every 3 hours beginning at 0255 G.m.t.

(170) **NOG**, Sault Ste. Marie Group, Sault Ste. Marie (Lakes Huron, Michigan and E. Lake Superior); Goetzville (46°04'N., 84°06'W.), Sault Ste. Marie, Beaver Island, Grand Marais, Escanaba, Marquette. Every 3 hours beginning at 0005 G.m.t.

(171) **NOG-14**, Duluth Group, Duluth (W. Lake Superior); Calumet, Grand Marais, Bayfield, Duluth. Every 3 hours beginning at 0135 G.m.t.

(172) **Customs Ports of Entry and Stations**

(173) Vessels may be entered and cleared at any port of entry or customs station, but at the latter only with advance authorization from the Customs Service district director.

- (174) **Northeast Region**
- (175) St. Albans District:
- (176) Ports of Entry: St. Albans, Burlington, and Highgate Springs/Alburg, Vt.
- (177) Ogdensburg District:
- (178) Ports of Entry: Ogdensburg, Alexandria Bay, Cape Vincent, Champlain-Rouses Point, Clayton, and Massena, N.Y.
- (179) Buffalo District:
- (180) Ports of Entry: Buffalo-Niagara Falls, Oswego, Rochester, and Sodus Point, N.Y.
- (181) **North Central Region**
- (182) Duluth District:
- (183) Ports of Entry: Duluth and Grand Portage, Minn.; Superior and Ashland, Wis.
- (184) Milwaukee District:
- (185) Ports of Entry: Milwaukee, Green Bay, Manitowoc, Marinette, Racine, and Sheboygan, Wis.
- (186) Chicago District:
- (187) Port of Entry: Chicago, Ill.
- (188) Cleveland District:
- (189) Ports of Entry: Erie, Pa.; Cleveland, Ashtabula/Conneaut, and Toledo/Sandusky, Ohio.
- (190) Customs Stations: Fairport, Lorain, Marblehead-Lakeside, and Put-in-Bay, Ohio.
- (191) Detroit District:
- (192) Ports of Entry: Detroit, Muskegon, Port Huron, Saginaw-Bay City, and Sault Ste. Marie, Mich.
- (193) U.S. Customs Representative: Drummond, Mich.
- (194) Customs Stations: Algonac, Mich., Alpena, Mich., De Tour, Mich., Escanaba, Mich., Grand Haven, Mich., Houghton, Mich., Marine City, Mich., Marquette, Mich., Rogers City, Mich.
- (195) **National Weather Service Offices.**—The following offices will provide forecasts and climatological data or arrange to obtain these services from other offices. They will also check barometers in their offices or by telephone; refer to the local telephone directory for numbers.
- (196) Alpena, Mich.: Alpena County Regional Airport, 49707.
- (197) Ann Arbor, MI: 200 E. Liberty Street 48107.
- (198) Buffalo, N.Y.: Greater Buffalo International Airport, East Terminal 14225.
- (199) Chicago, IL: 333 University Drive, Romeoville, IL 60441.
- (200) Cleveland, Ohio: Cleveland Hopkins International Airport, Federal Facilities Bldg. 44135.
- (201) Detroit, Mich.: Metropolitan Airport, Bldg. 348, 48242.
- (202) Duluth, Minn.: International Airport 55811.
- (203) Erie, Pa.: International Airport 16505.
- (204) Grand Rapids, MI: 5500 44th Street, SE, Terminal Building 49512.
- (205) Green Bay, Wis.: 2511 South Point Road, 54313-5525.
- (206) Marquette, Mich.: 134 Airport Drive 49866.
- (207) Milwaukee, Wis.: 5150 South Howell Avenue 53207-6190.
- (208) Muskegon, Mich.: Muskegon County Airport, 99 Sinclair Drive 49441.
- (209) Rochester, N.Y.: Greater Rochester International Airport, One Airport Way 14624.
- (210) Sault Ste. Marie, Mich.: 214 W. 14th Avenue 49783.
- (211) Toledo, Ohio: Toledo Express Airport, 11013 Airport Highway, Swanton, Ohio 43558.

(212) **National Weather Service Weather Broadcasts:**

(213) **Lake Weather Broadcasts (LAWEB)**, issued by the National Weather Service, are plain language broadcasts that include reports of wind direction and speed and wave heights from shore stations and ships underway on the lakes. Visibility and weather are included when the visibility is less than 5/8 mile. The observations are taken 1½ hours before the time of broadcast. Outside the navigation season, only Lake Michigan is included in the broadcasts. **Marine Forecasts (MAFOR)**, also issued by the National Weather Service, are coded weather forecasts which are preceded by a plain language description of the current weather map. (See National Weather Service forecasts and warnings, chapter 1.)

(214) The following radio stations broadcast LAWEBs at 0245, 0845, 1445, and 2045 e.s.t., and MAFORs at 0430, 1030, 1630, and 2230 e.s.t.

(215) WLC, Tawas City, Mich., channel 26, 2514 kHz, and 4369.8 kHz

(216) WLC, Rogers City, Mich., channel 26

(217) WLC, Charlevoix, Mich., channel 26

(218) WLC, Sault Ste. Marie, Mich., channel 26

(219) A schedule of Coast Guard radio broadcasts which include weather information is contained elsewhere in the appendix.

(220) **NOAA Weather Radio.**—National Weather Service VHF-FM radio stations provide mariners with continuous FM broadcasts of weather warnings, forecasts, radar reports, and surface weather observations. These stations usually transmit on 162.55 or 162.40 MHz. Reception range is up to 40 miles from the antenna site, depending on the terrain, type of receiver, and antenna used. The following VHF-FM radio stations with location of antenna are in or near the area covered by this Coast Pilot.

(221) WXL-31, Syracuse, N.Y., 162.55 MHz (42°58'N., 76°12'W.)

(222) KHA-53, Rochester, N.Y., 162.40 MHz (43°08'N., 77°35'W.)

(223) KEB-98, Buffalo, N.Y., 162.55 MHz (42°38'N., 78°46'W.)

(224) KEC-58, Erie, Pa., 162.40 MHz (42°03'N., 80°00'W.)

(225) KHB-59, Cleveland, Ohio, 162.55 MHz (41°24'N., 81°51'W.)

(226) KHB-97, Sandusky, Ohio, 162.40 MHz (41°24'N., 82°49'W.)

(227) WXL-51, Toledo, Ohio, 162.55 MHz (41°37'N., 83°42'W.)

(228) KEC-63, Detroit, Mich., 162.55 MHz (42°28'N., 83°12'W.)

(229) KIH-29, Flint, Mich., 162.40 MHz (43°13'N., 83°43'W.)

(230) KIG-83, Alpena, Mich., 162.55 MHz (45°03'N., 83°43'W.)

(231) KIH-22, Traverse City, Mich., 162.40 MHz (44°45'N., 85°40'W.)

(232) WWF-36, Hesperia, Mich., 162.475 MHz (43°37'N., 86°04'W.)

(233) KIG-63, Grand Rapids, Mich., 162.55 MHz (42°52'N., 85°35'W.)

(234) WXJ-57, South Bend, Ind., 162.40 MHz (41°36'N., 86°11'W.)

(235) KWO-39, Chicago, Ill., 162.55 MHz (41°53'N., 87°38'W.)

(236) KEC-60, Milwaukee, Wis., 162.40 MHz (43°01'N., 88°23'W.)

(237) KIG-65, Green Bay, Wis., 162.55 MHz (44°24'N., 88°00'W.)

(238) KIG-74, Sault Ste. Marie, Mich., 162.55 MHz (46°22'N., 84°24'W.)

(239) KIG-66, Marquette, Mich., 162.55 MHz (46°31'N., 87°29'W.)

(240) WKK-73, Houghton, Mich., 162.40 MHz (47°02'N., 88°41'W.)

(241) KIG-64, Duluth, Minn., 162.55 MHz (46°50'N., 92°04'W.)

(242) **National Weather Service Port Meteorological Officers (PMOs).**—Port Meteorological Officers provide assistance on matters of weather chart interpretation, instruments, marine weather communications, and requirements affecting ship operations. (See **National Weather Service**, chapter 1, for further details.) PMO offices in the area covered by this Coast Pilot are as follows:

(243) Cleveland, OH: Cleveland Hopkins International Airport, Federal Facilities Building 44135.

(244) Chicago, IL: 333 W. University Drive, Romeoville, IL 60441.

(245) **Public Health Service Quarantine Stations.**—Stations where quarantine examinations are performed:

(246) Chicago, Ill.: U.S. Quarantine Station, O'Hare International Airport, P.O. Box 66012, 60666.

(247) At other ports, quarantine and/or medical examinations are usually performed by Public Health Service contract personnel or by quarantine inspectors from the nearest quarantine station. Inquiries concerning quarantine matters should be directed to the nearest quarantine station.

(248) **Food and Drug Administration (FDA) Regional Offices**

(249) **Northeast Region** (New York, Maine, Connecticut, New Hampshire, Vermont, Rhode Island): 830 Third Avenue, Brooklyn, NY 11232.

(250) **Mid-Atlantic Region** (Delaware, Pennsylvania, Virginia, Maryland, Ohio, New Jersey): U.S. Customhouse, 2nd and Chestnut Streets, Philadelphia, PA 19106.

(251) **Southeast Region** (South Carolina, North Carolina, Georgia, Alabama, Louisiana, Mississippi, Florida, Puerto Rico: 60 Eight Street, N.E., Atlanta, GA 30309.

(252) **Midwest Region** (Illinois, Indiana, Michigan, Wisconsin): 20 N. Michigan Avenue, Chicago, IL 60602.

(253) **Department of Agriculture, Animal and Plant Health Inspection Service (APHIS) Offices.**—Listed below are ports covered by this volume where APHIS inspectors are available to inspect plants and plant and animal products, and locations of Animal Import Centers where livestock and birds are inspected.

(254) Information on importation of plants, animals, and plant and animal products is available from APHIS, Department of Agriculture, Federal Building, 6505 Belcrest Road, Hyattsville, Md. 20782. The specific offices to contact are as follows: for plants, including fruits and vegetables, and plant products, Plant Protection and Quarantine, Room 635, telephone 301-436-6799; for animal products, Import-Export Animals and Products Staff, Room 756A, telephone 301-436-7885; and for live ruminants, swine, equines, and poultry and other birds, Veterinary Services,

Import-Export Animals and Products Staff, Room 764, telephone 301-436-8590.

(255) **New York:**

(256) Rouses Point: St. John's Highway Border Station, Room 118, Route 9-B, P.O. Box 278, 12979.

(257) Buffalo: Federal Building, Room 1113, 111 W. Huron Street 14202.

(258) **Ohio:**

(259) Cleveland: Federal Building, Room 1749, 1240 E. 9th Street 44199.

(260) **Michigan:**

(261) Detroit: International Terminal, Room 228, Metropolitan Airport 48242.

(262) **Illinois:**

(263) Chicago: U.S. Custom House, Room 800, 610 S. Canal Street 60607.

(264) **Wisconsin:**

(265) Milwaukee: International Arrivals Terminal, General Mitchell Field 53207.

(266) **Minnesota:**

(267) Duluth: Board of Trade Bldg., Room 420, 301 W. First Street 55802.

(268) **Animal Import Centers:**

(269) Honolulu, Hawaii: 300 Ala Moana Boulevard, Room 4320, 96850.

(270) Miami, Fla.: 8120 NW 53rd Street, Suite 102, 33166.

(271) Rock Tavern, N.Y.: New York Animal Import Center, Stewart Airport, Rural Route 1, Box 74, 12575.

(272) **Immigration and Naturalization Service Offices**

(273) **Illinois:**

(274) Chicago: Dirksen Federal Bldg., 219 South Dearborn Street 60604.

(275) **Michigan:**

(276) Algonac: 202 Fruit Street 48001.

(277) Detroit: Federal Bldg., 333 Mt. Elliott Street 48207.

(278) Marine City: 451 South Water Street 48039.

(279) Muskegon: International Terminal 49440.

(280) Port Huron: Pinegrove and Elmwood Streets 48060.

(281) Sault Ste. Marie: International Bridge Plaza 49783.

(282) Trenton: 23100 West Road 48183.

(283) **Minnesota:**

(284) Duluth: U.S. Courthouse and Customhouse, 515 West First Street 55802.

(285) Grand Marais: P.O. Box 685, 55604.

(286) Grand Portage: 55605.

(287) **New York:**

(288) Alexandria Bay: Heart Island off Alexandria Bay 13607.

(289) Buffalo: 68 Court Street 14202.

(290) Cape Vincent: Horne's Ferry Service 13618.

(291) Clayton: Riverside Drive 13624.

(292) Lewiston: P.O. Box 305, 14092.

(293) Massena: P.O. Box 195, Rooseveltown, 13683.

(294) Niagara Falls: Rainbow Bridge 14303.

(295) Ogdensburg: Ogdensburg-Prescott Bridge 13669.

(296) Rochester: 410 Old Post Office Bldg. 14614.

(297) Rouses Point: P.O. Box 247, 12979.

(298) Youngstown: 14301.

(299) **Ohio:**

(300) Ashtabula: Marine Bank Bldg., 325 Hulbert Avenue 44004.

(301) Cleveland: Anthony J. Celebrezze Federal Bldg., 1240 East 9th Street 44199.

(302) Sandusky: Post Office Bldg. 44870.

(303) Toledo: Federal Office Bldg., 234 Summit Street 43604.

(304) **Vermont:**

(305) Alburg: State Route 225, 05440.

(306) Burlington: Federal Bldg., Elmwood Avenue 05401.

(307) **Wisconsin:**

(308) Milwaukee: Federal Bldg., 517 East Wisconsin Avenue 53202.

(309) **Federal Communications Commission Offices**

(310) **District Field Offices:**

(311) Buffalo, N.Y.: 1307 Federal Bldg., 111 West Huron Street 14202.

(312) Chicago, Ill.: Park Ridge Office Center, 1550 Northwest Highway, Park Ridge 60068.

(313) Detroit, Mich.: 24897 Hathaway Street, Farmington Hills 48018.

(314) New York, N.Y.: 201 Varick Street 10014.

(315) St. Paul, Minn.: 691 Federal Bldg. and U.S. Courthouse, 316 North Robert Street 55101.

(316) **Saint Lawrence Seaway Development Corporation**

(317) Saint Lawrence Seaway Development Corporation, 800 Independence Avenue SW., Washington, D.C. 20591.

(318) Saint Lawrence Seaway Development Corporation, Box 520, Massena, N.Y. 13662.

(319) **Pilotage.**—Pilot associations serving the Great Lakes are listed below with their dispatch office addresses and telephone numbers. Vessels entering the St. Lawrence River from sea make arrangements for pilotage service in advance through ships' agents to Laurentian Pilotage Authority. Vessels already on the Great Lakes and requiring pilotage service notify the nearest dispatch office 12 hours in advance and make a follow-up confirmation 4 hours in advance. (See **46 CFR 401**, chapter 2, and Pilotage, chapter 3 and at the beginning of chapters 4 through 13, for more information.)

(320) Great Lakes Pilotage Authority, Ltd., P.O. Box 95, Cornwall, ON K6H5R9, Canada (613-933-2991).

(321) Great Lakes Pilotage Authority, Ltd., P.O. Box 2008, Station B, St. Catharines, ON., Canada (416-934-2921).

(322) Lakes Pilots Association, P.O. Box 610902, 101 Water Street, Port Huron, MI 48061-0902; 810-982-1762 (Dispatch); 810-984-2541 (Office); FAX 810-984-2546.

(323) Laurentian Pilotage Authority, 1080 Beaver Hall Hill, Room 1806, Montreal 128, Que., Canada (514-283-6322).

(324) St. Lawrence Seaway Pilots Association, P. O. Box 274, 733 East Broadway, Cape Vincent, NY 13618-0274 (315-654-2900).

(325) Western Great Lakes Pilots Association, P.O. Box 248, 2231 Catlin Avenue, Suite 417, Superior, WI 54880-0248; 715-392-5200 (Dispatch), 715-392-5204 (Office); FAX 715-392-1666; De Tour, MI 906-297-2112 (Dispatch); FAX 906-297-2126.

(326) **Canadian Government Agencies**

(327) Director General, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario K1A 0E6, Canada.

(328) Hydrographic Chart Distribution Office, Department of Fisheries and Oceans, P.O. Box 8080, 1675 Russell Road, Ottawa, Ontario K1G 3H6, Canada.

(329) Canadian Coast Guard, Department of Fisheries and Oceans, 340 Slater Street, Ottawa, Ontario K1A 0N7.

(330) Canadian Communications Group, 45 Sacre-Coeur Boulevard, Hull, Quebec K1A 0S9.

(331) **Canadian Customs Offices**

(332) Northern Ontario Region: 2265 St. Laurent Blvd., Ottawa, Ontario K1G4K3, Canada. Telephone 613-991-0551.

(333) Southern Ontario Region: 4 Robert Speck Parkway, Suite 450, Mississauga, Ontario L4Z1S1, Canada. Telephone 905-566-6041

(334) Prairie Region: 450-391 York Avenue, P.O. Box 1022, Winnipeg, Manitoba R3C0P5, Canada. Telephone 204-983-1845

(335) Vessels reporting from stations not manned by customs personnel may contact customs by calling, toll free, 1-800-267-0976.

(336) **St. Lawrence Seaway Management Corporation (Canada)**

(337) The St. Lawrence Seaway Management Corporation, 202 Pitt Street, Cornwall, Ontario K6J 3P7, Canada.